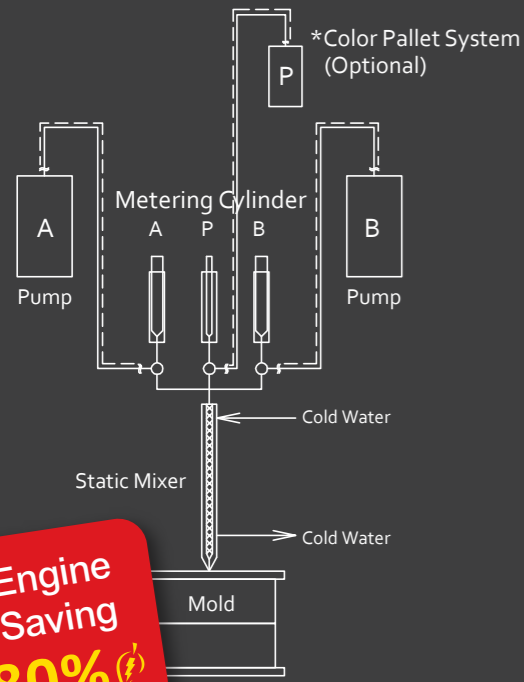


Vertical Liquid Silicone Rubber Injection Molding Machine



- Precision vertical clamping system (parallelism/ flatness : 0.02/100 mm) , heavy-duty tie-bars, and low-pressure mold clamping work together to greatly extend machine & mold life.
- Increased productivity and efficiency with shuttle table or rotary table configuration. Pick and place products while another product finishes molding.
- Energy savings of around 50-70% with servo pump power system.
- Safety cover, Light curtain, pneumatic door and dual palm safety button for personnel safeguard.
- Multi-Language PC Base industrial type Linux core system.
- 1000 sets of mold settings can be stored and export as backup.
- Complete record of history settings & warnings. Built in USB connect.
- On-line remote control and maintenance service.

Engine Saving 80%



Vertical Hydraulic Clamping System



Operator friendly



Safety Design for Operator



Energy Saving

| Model | | KL520-200-80DVS-1-S68 | KL560-300-120DV2S-1-S68 | KL660-400-160DV2S-1-S68 |
|--|---------------------|------------------------------|------------------------------|------------------------------|
| INJECTION UNIT | | | | |
| Plunger Diameter | mm | 25 *2 | 31.5*2 | 36*2 |
| Injection Pressure | kgf/cm ² | 441 | 444 | 439 |
| Injection Capacity | cm ³ | 196 | 312 | 407 |
| Injection Weight (LSR) | oz | 7.5 | 11.9 | 15.5 |
| | gram | 212 | 336 | 439 |
| Injection Rate | cc/s. | 171 | 312 | 407 |
| Injection Speed | mm/s. | 174 | 200 | 200 |
| Plunger Stroke | mm | | 200 | |
| Nozzle Stroke | mm | | 280 | |
| Nozzle Contact Force | ton | | 8.5 | |
| CLAMPING UNIT | | | | |
| Clamping Force | ton | 80 | 120 | 160 |
| Minimum Mold Height | mm | 200 | 250 | 250 |
| Opening Stroke | mm | 580 (without Heating Platen) | 690 (without Heating Platen) | 690 (without Heating Platen) |
| Maximum Daylight | | 400 (with Heating Platen) | 500 (with Heating Platen) | 500 (with Heating Platen) |
| Overall Size Of Platens | mm | 700*570 | 770*570 | 920*720 |
| Space Between Columns | mm | 520*385 | 560*360 | 660*460 |
| Size Of Shuttle Table | mm | 510*540 | 550*1150 | 650*1450 |
| Shuttle Table Stroke | mm | 540 | 580 | 730 |
| Ejector Force | ton | | 2.7 | |
| Ejector Stroke | mm | | up 100 | |
| ELECTRICAL EQUIPMENT & GENERAL | | | | |
| Power Source | v/hz | | 380/60/50 | |
| Drive Motor | kW | 7.5 | 15 | 15 |
| Heater | kW | 3.6 (option) | 5.5 + 5.5 (option) | 7.5 + 7.5 (option) |
| Temperature Control Zone | zone | 2+1 (middle) | 3+2 (middle) | 3+2 (middle) |
| Hydraulic System Pressure | kgf/cm ² | 140 | 160 | 160 |
| Machine Dimension | m | 2.2*1.4*3.1 | 2.2*1.5*3.8 | 3.2*1.8*4.2 |
| Machine Weight | ton | 4 | 5.5 | 7 |
| ★ Option Heating Platen 、 LSR Transfer pump A/B/P - (a) 55 gallon (b) 5 gallon | | | | |



LSR




Vertical Liquid Silicone Rubber Injection Molding Machine Turnkey Silution

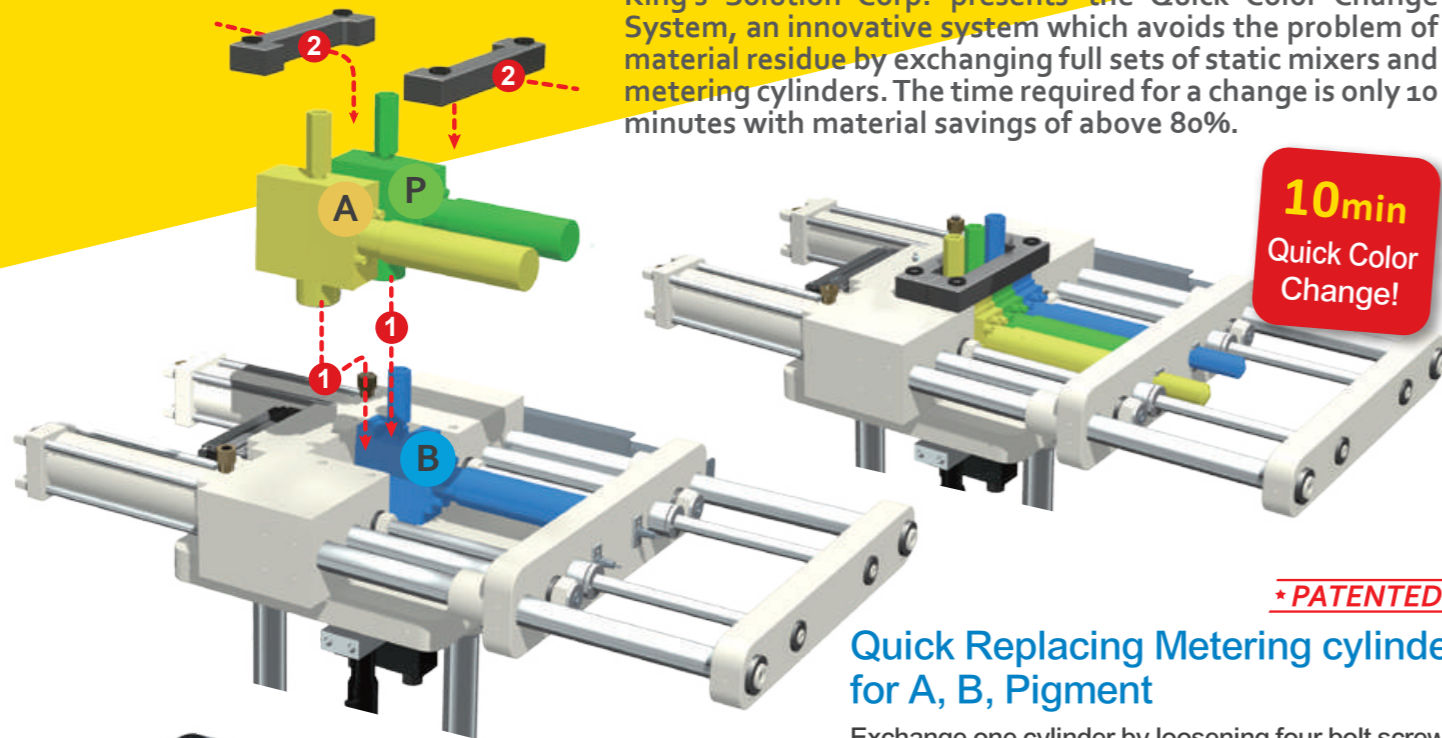
KING'S Solution Corp.

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 www.injection.com.tw/ | www.facebook.com/Kingsmachinery/ | https://www.youtube.com/user/kingsmachinery/

Vertical Liquid Silicone Rubber Injection



King's Solution Corp. presents the Quick Color Change System, an innovative system which avoids the problem of material residue by exchanging full sets of static mixers and metering cylinders. The time required for a change is only 10 minutes with material savings of above 80%.



10min
Quick Color Change!

PATENTED

Quick Replacing Metering cylinder for A, B, Pigment

Exchange one cylinder by loosening four bolt screws which fix the clamp. Special anti-leakage valve ensures that material does not drip during operation.



UP & Downward dual direction 2K pumping system

- Pneumatic driven pump which boosts the pressure by leverage mechanism on a scale of 55:1.
- Fast material feeding, The low-viscosity silicone can also be processed without difficulty.
- Manual/ Proportional pressure setting, easy for operation and maintenance.
- Optional IPC controller which can set the pressure & position of the pump, leads to more precise feeding.



Compact modularized injection system

- Precise injection control by exchanging modularized metering cylinders with various volume from 1 g to 1000 g.
- Hydraulic metering cylinder with a linear transducer ensures the volume of silicon and pigment with a positional repeatability within 0.02mm.
- Horizontal injection cylinder reduces the machine height 50cm less compared to the traditional screw type machine.



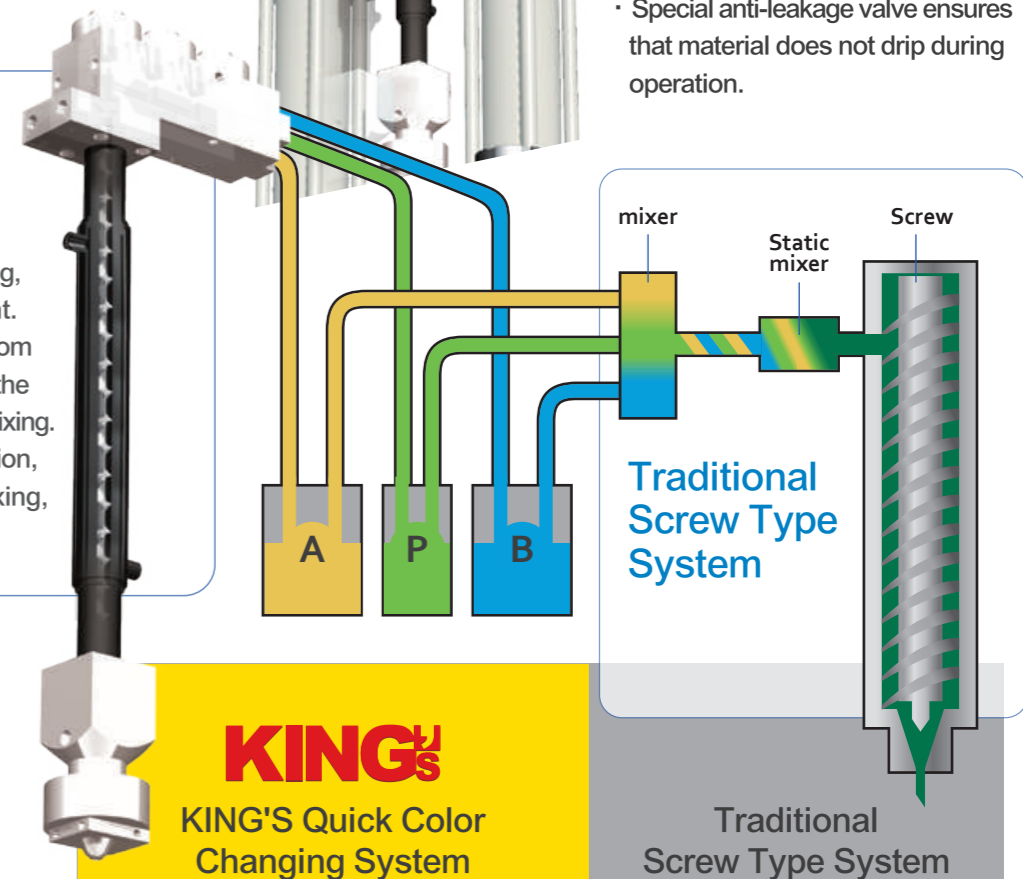
PATENTED

Quick change of static mixer within 10 min

- Static mixer set weights less than 11kg, and can be changed by one operator. Loosen just one bolt only.
- Special anti-leakage valve ensures that material does not drip during operation.

Superior Mixing Performance - Static mixer

- $2^{21} = 2,097,152$ times of mixing, well mix the A & B 2 component.
- First in First out, shot volume from **1 cc to 1,000 cc** will be with the same strength after completely mixing.
- Optional long mixer with 31 section, $2^{31} = 2,147,483,648$ times mixing, suitable for extra strong.



| | | KING'S KING'S Quick Color Changing System | Traditional Screw Type System |
|-------------------|--------------------------------|--|--|
| Material Saving | Waste of silicon | ✓ below 1KG | 5-20kg |
| Time Saving | Time consumption | ✓ 10 min | 2-4 hr |
| Labor Saving | Numbers of Labor | ✓ only 1 | 2 up |
| High Yield | Risk of Discoloration | ✓ 0% of color residue | Difficult to clean the clearance and gap |
| Best Quality | Precision & Strength | ✓ Well mixed 2K even for micro injection | Poor performance for micro injection |
| High Availability | Machine Performance efficiency | ✓ One machine for multi color/volume injection needs | Limited capacity |